

## ABSTRACT

The present invention provides highly useful clinical methods for treating skin disorders, particularly intractable skin disorders. Specifically, the methods comprise

5 injecting/subcutaneously introducing a 10  $\mu$ g to 10 mg dose of a polynucleotide, such as a DNA, oligonucleotide, RNA, siRNA, and antisense, around a lesion associated with a skin disorder, such as a wound, cutaneous ulcer, or psoriasis, using a needleless syringe that injects a pharmaceutical liquid by using gas pressure or the elastic force of an elastic member to drive a piston.

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